

Is Education at a Crossroads?

Condition of Iowa Education

Judy Jeffrey, Director, Iowa Department of Education

Challenges

- Every student in the United States proficient in reading and mathematics
- Operate in a global marketplace with a world population networked in ways not even dreamed possible
- Provide students with skills needed to be successful in this ever-advancing environment



Realities

- Technological advancements
- Global marketplace
- Changing family structures
- Changing demographics



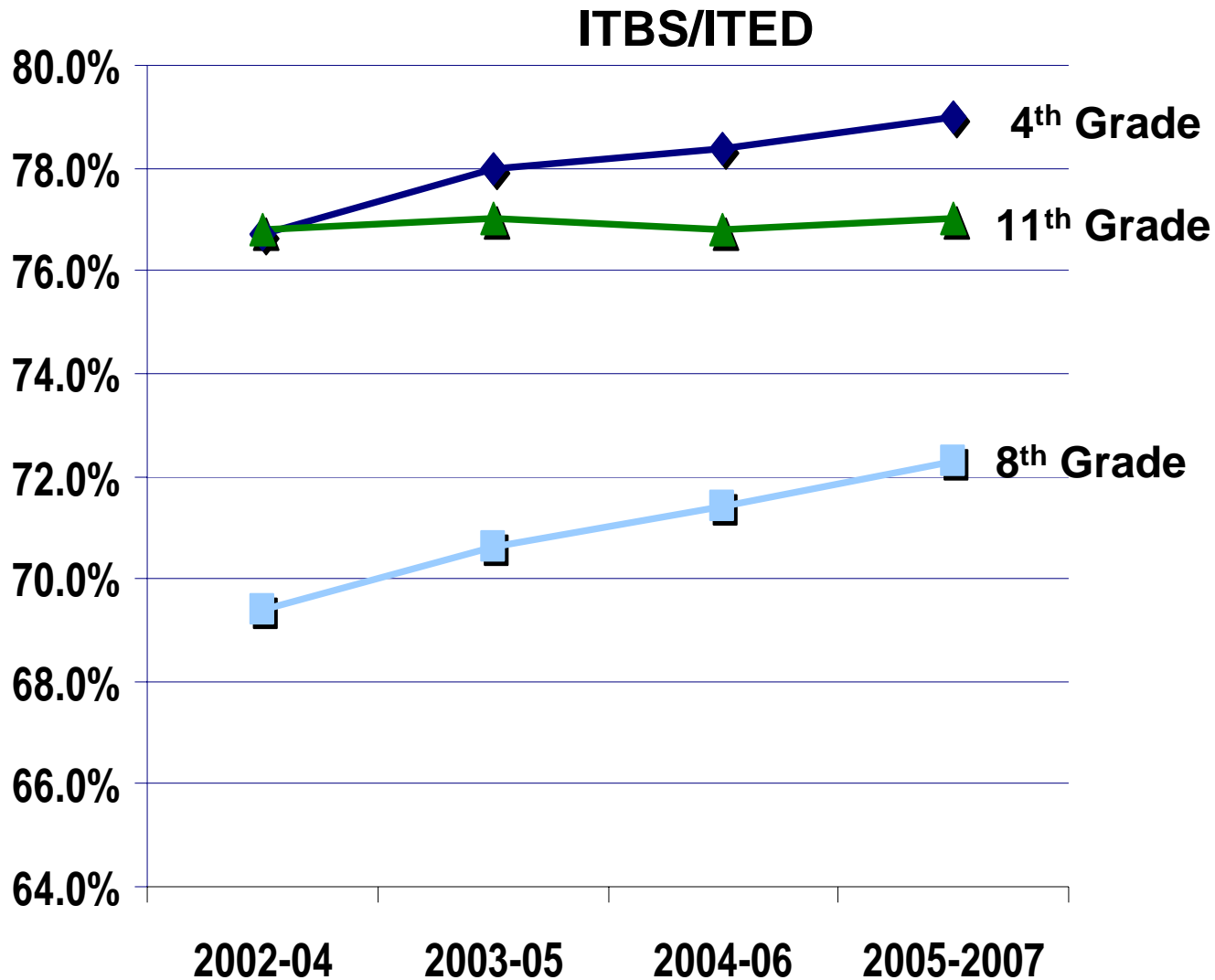
Challenges

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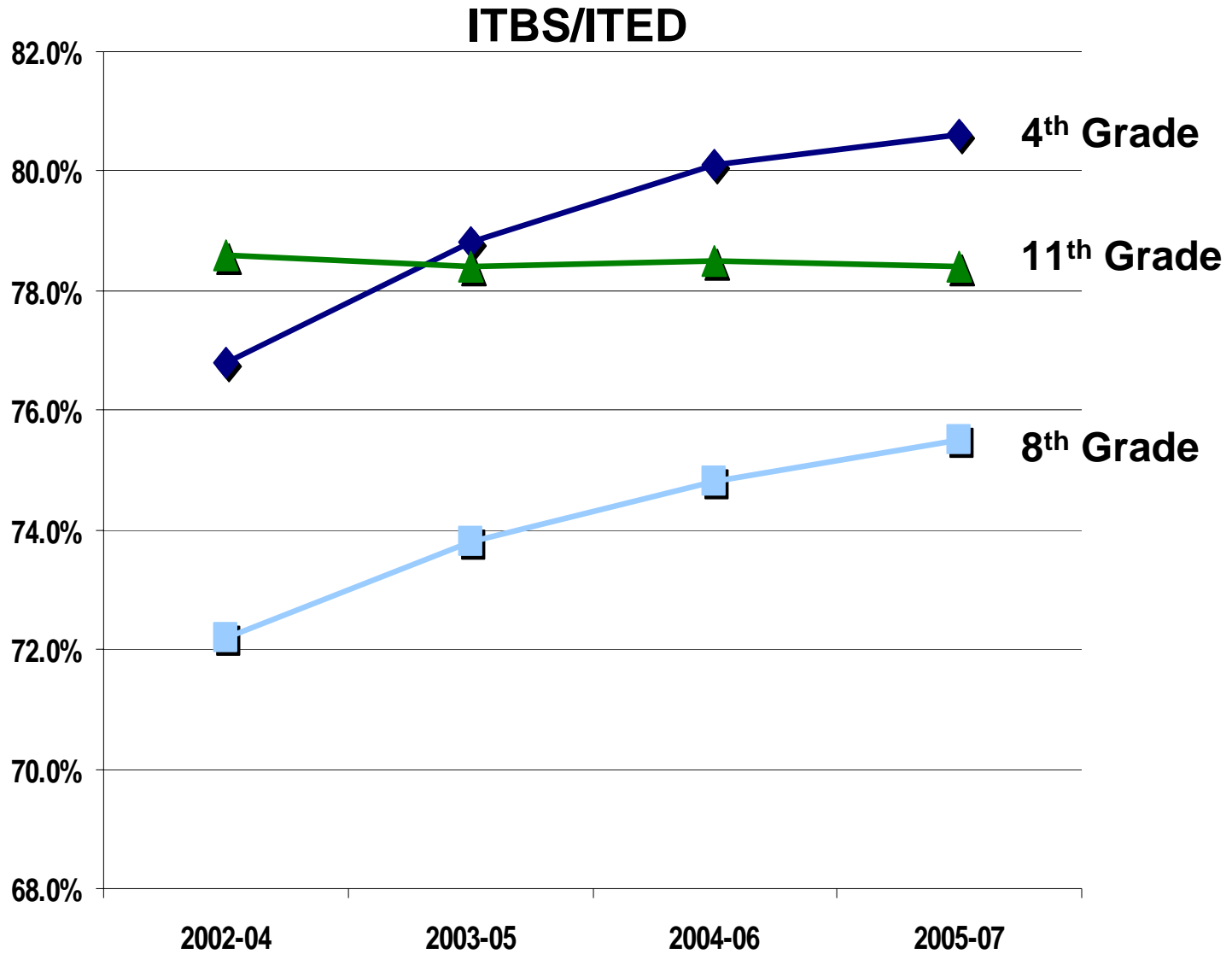
Let's look at Iowa....



Reading Trends



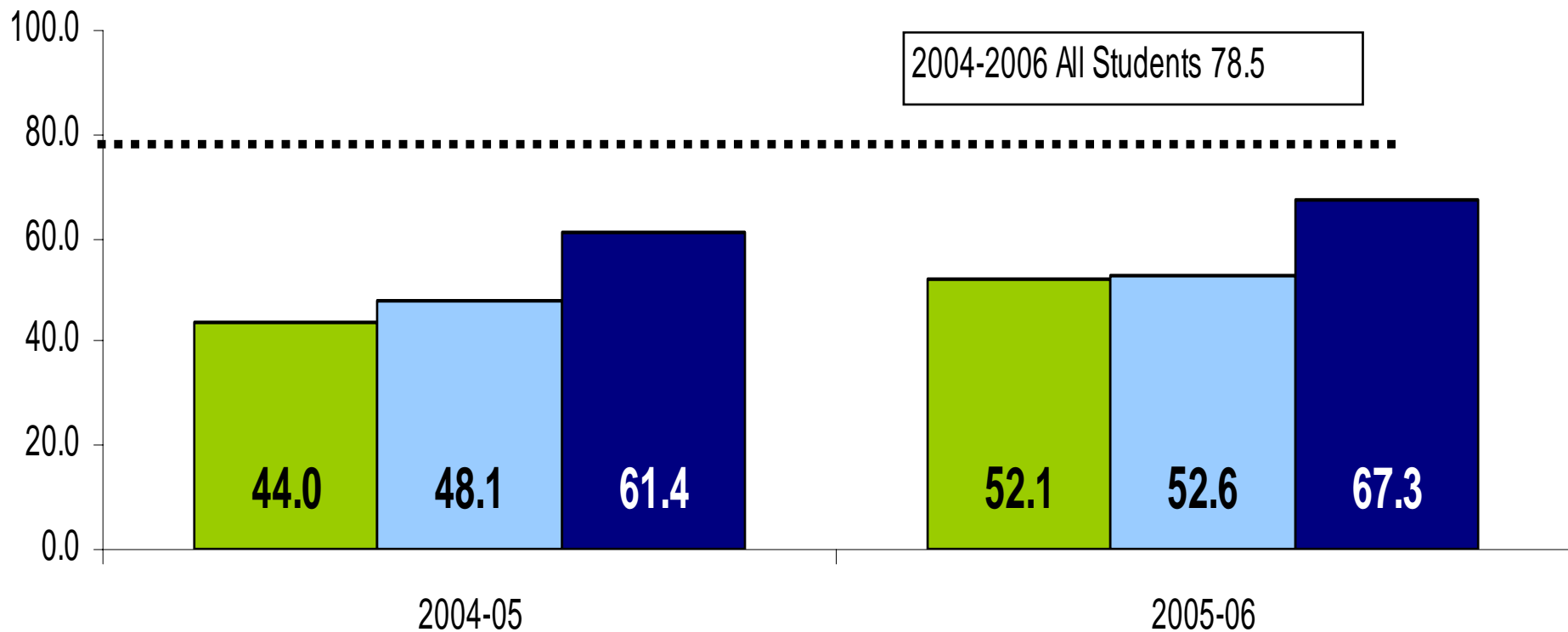
Math Trends



Hispanic Students Percent Proficient

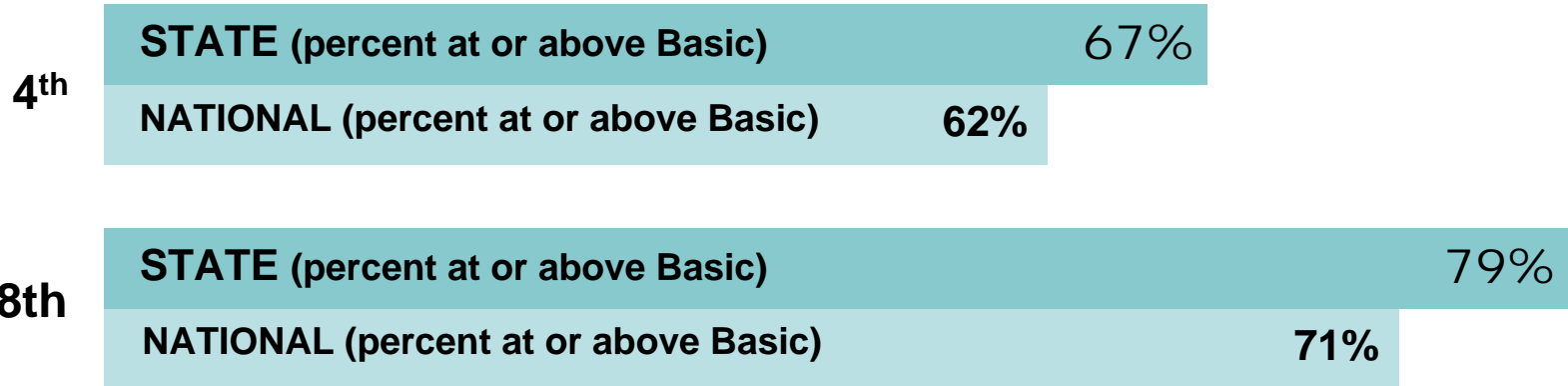
Grade 11 Math 2004-05 and 2005-06

■ Males Low SES ■ Females Low SES ■ Non-SES



National Assessment of Educational Progress (NAEP) 2005

READING



MATH



Three green directional signs are mounted on a grey pole against a blue sky with light clouds. The top sign points left and contains the text 'What does proficiency mean?'. The middle sign points right and contains the text 'What's the true story of success?'. The bottom sign points left and contains the text 'Are there resources for struggling students?'.

**What does
proficiency mean?**

**What's the true
story of success?**

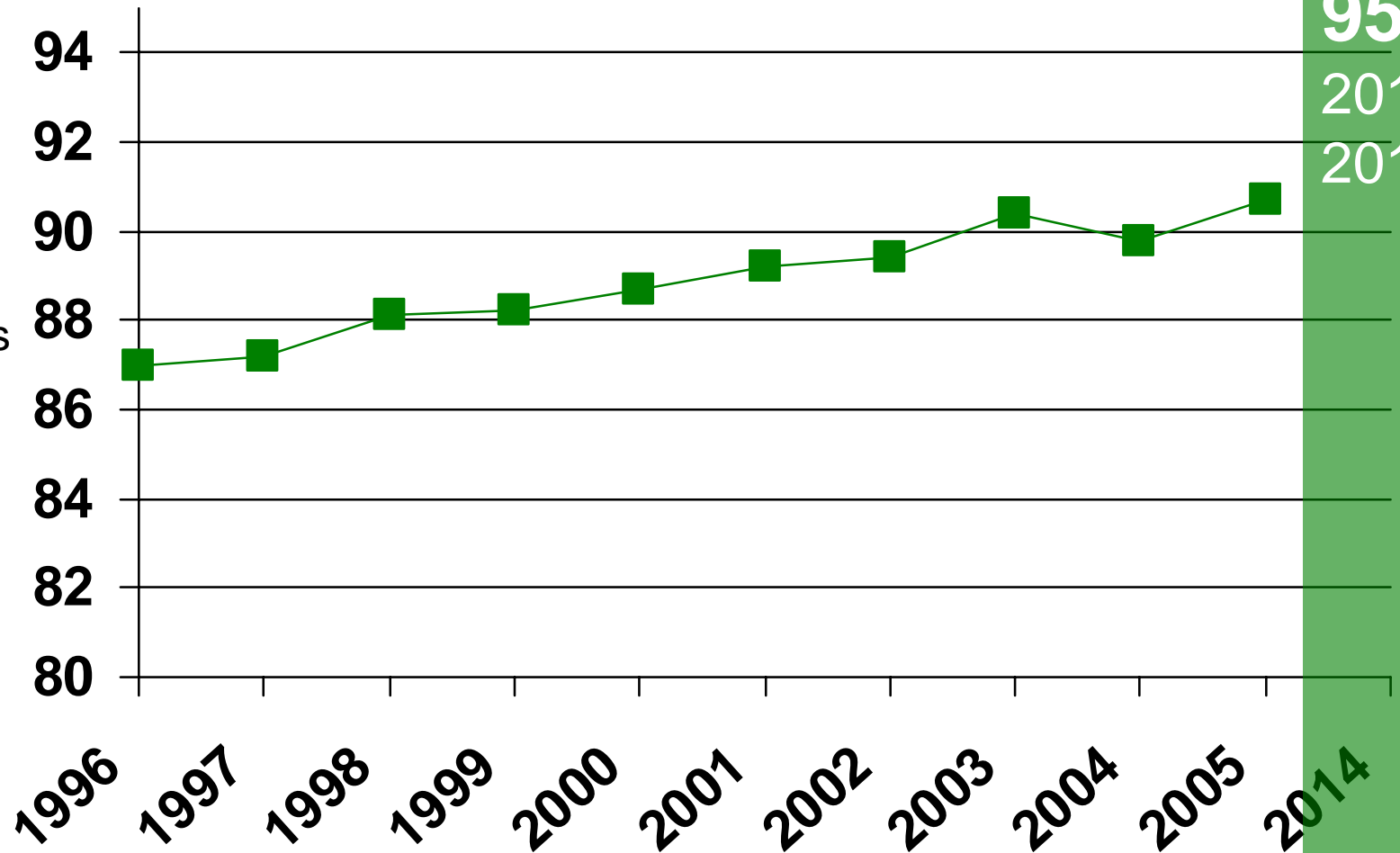
**Are there resources
for struggling students?**



Graduation Rate

Iowa

% of
Graduates



GOAL:
95%
2013 -
2014

2014

NCLB Reauthorization

- New title, new direction?
 - More technical assistance and support, less punitive
 - Recognition of progress being made, such as growth models to determine achievement
 - Invest in research and development



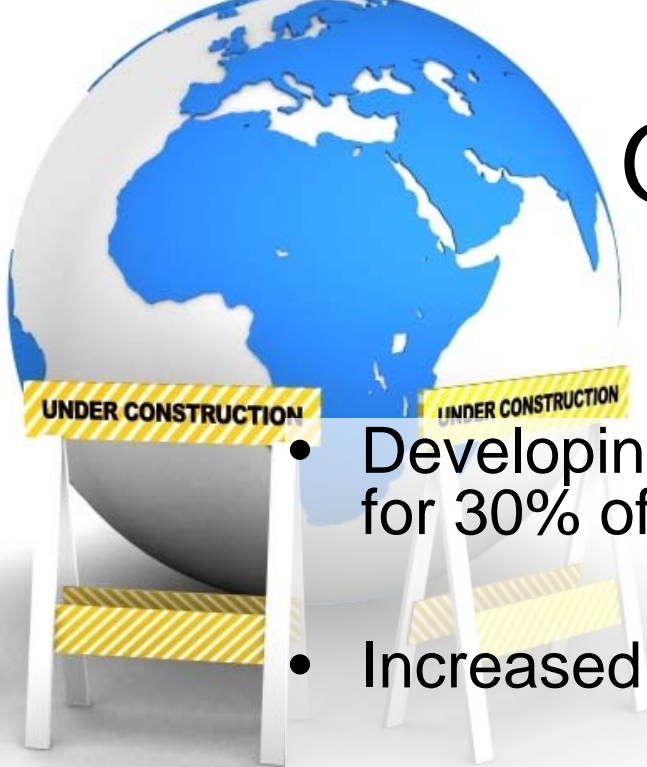
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Then and Now: Workplace Skills

	20th Century	21st Century
Number of Jobs	1-2	10-15
Job requirements	Mastery of 1 field	Flexibility, adaptability
Teaching model	Subject matter mastery	Lifelong learners



Globalization

- Developing countries around the world now account for 30% of the world's trade (*19% in 1979*)
- Increased capital to developing countries
- Increased trade and capital mean increased technology and communications
- Global migration follows as workers migrate where new markets are established
- Global supply chain management is now the fastest growing MBA at American universities

A Whole New Mind



“A lot of the stuff that **we teach in K-12** – and I know from having been a college professor, a lot of the stuff **we teach in college** – has a shelf life now of about a year and a half. And you aren't going to probably remember it, and it's probably out of date anyway.”

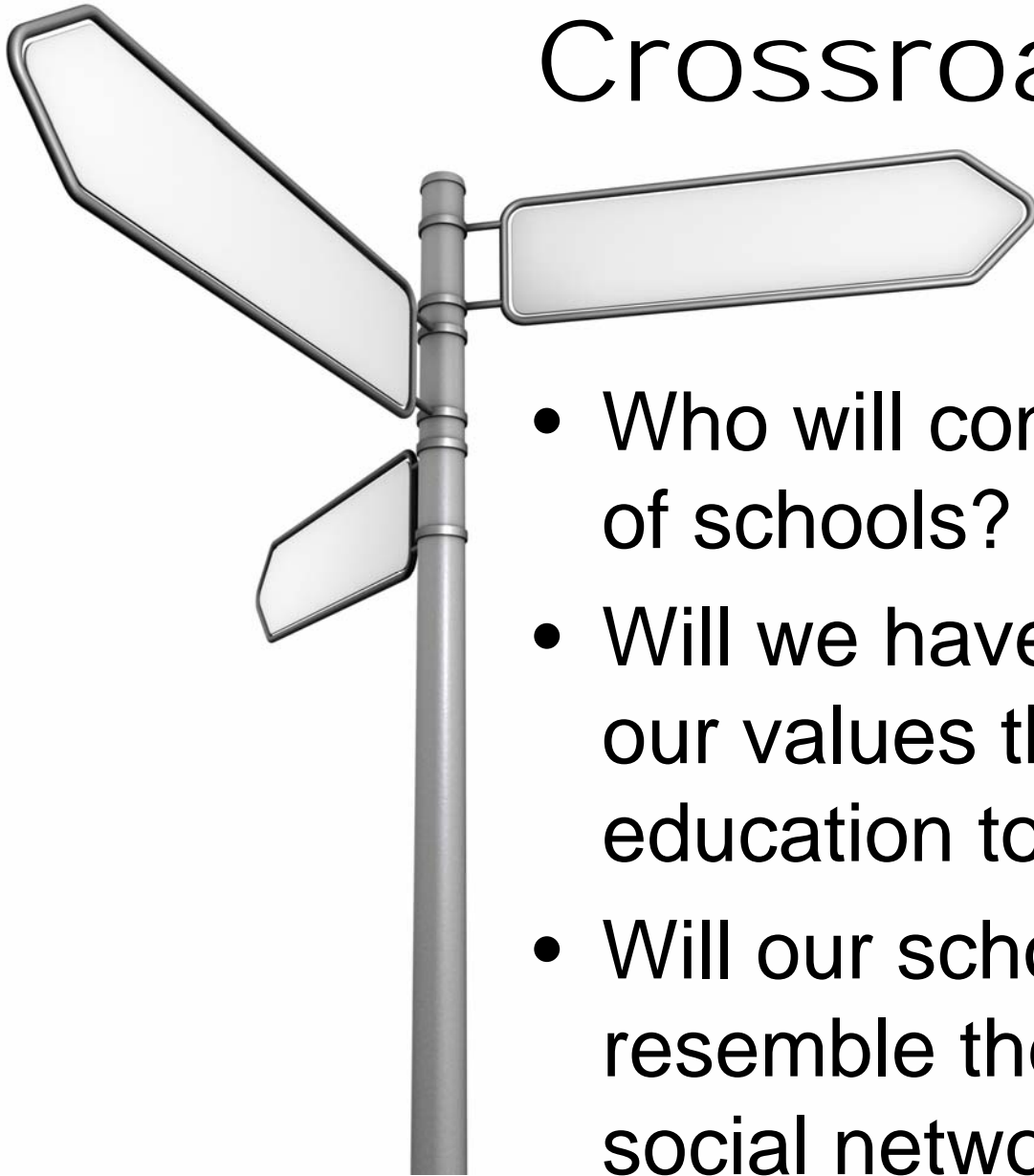
- Charles B.Knapp, Chairman of the Commission on the Skills of the American Workforce

Technology

- 86% of Americans age 18 to 54 are online
- There are 2 billion mobile phones, 1.5 billion TVs, and 900 million PCs worldwide
- High speed internet, cable TV (digital), and mobile phones viewed as “necessities” in America
- Social Networking and shared environments are the preferred way of doing “business” by young Gen X’ers and Millennials



Crossroads



- Who will control the curriculum of schools?
- Will we have to give up some of our values that exist in education today?
- Will our schools begin to resemble the workplace and social networks?

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What is Needed

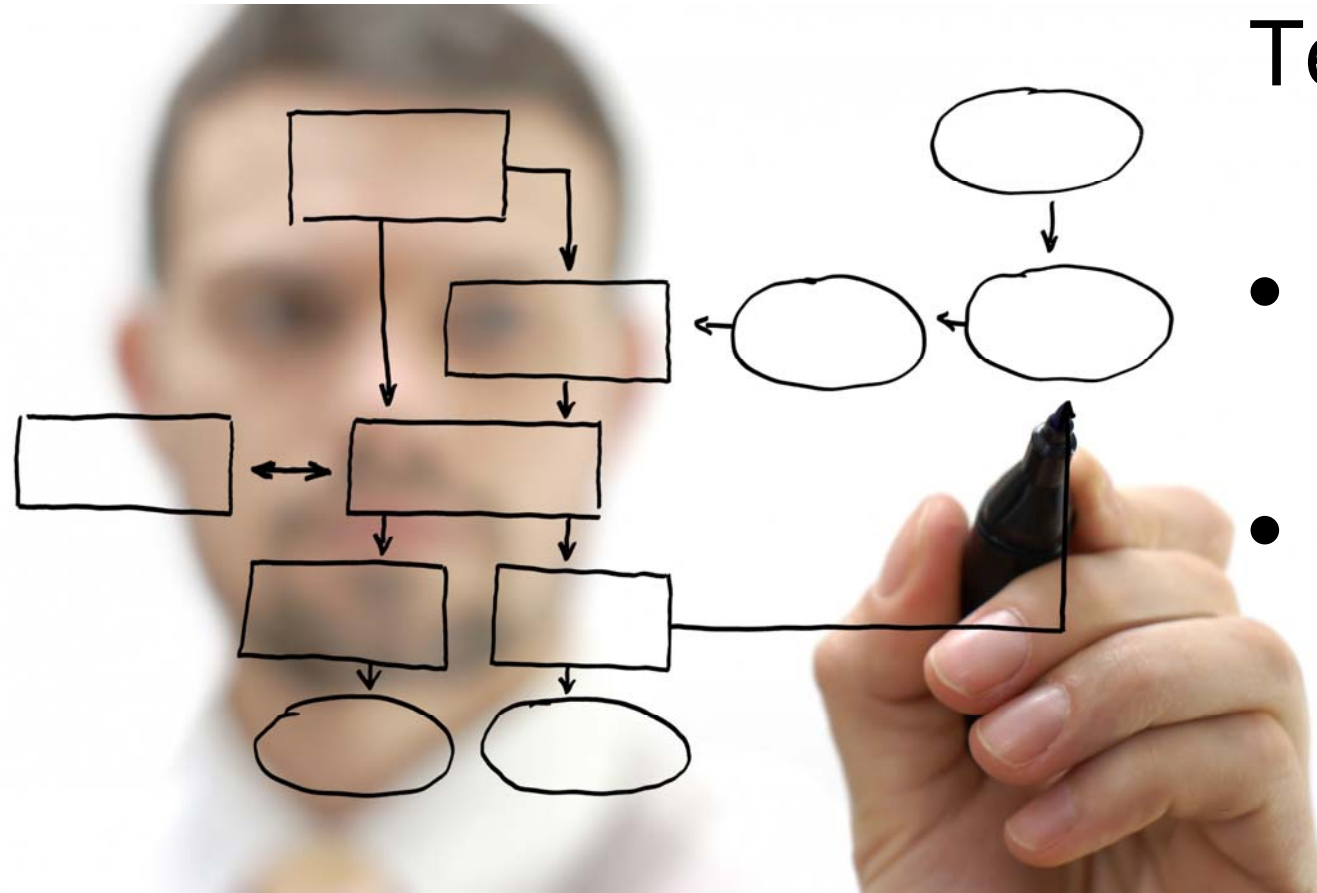
- Basic academic skills necessary, but ..
- “Subjects Left Behind”
- High-quality teaching
- Social and emotional supports
- Much more...



What is Needed

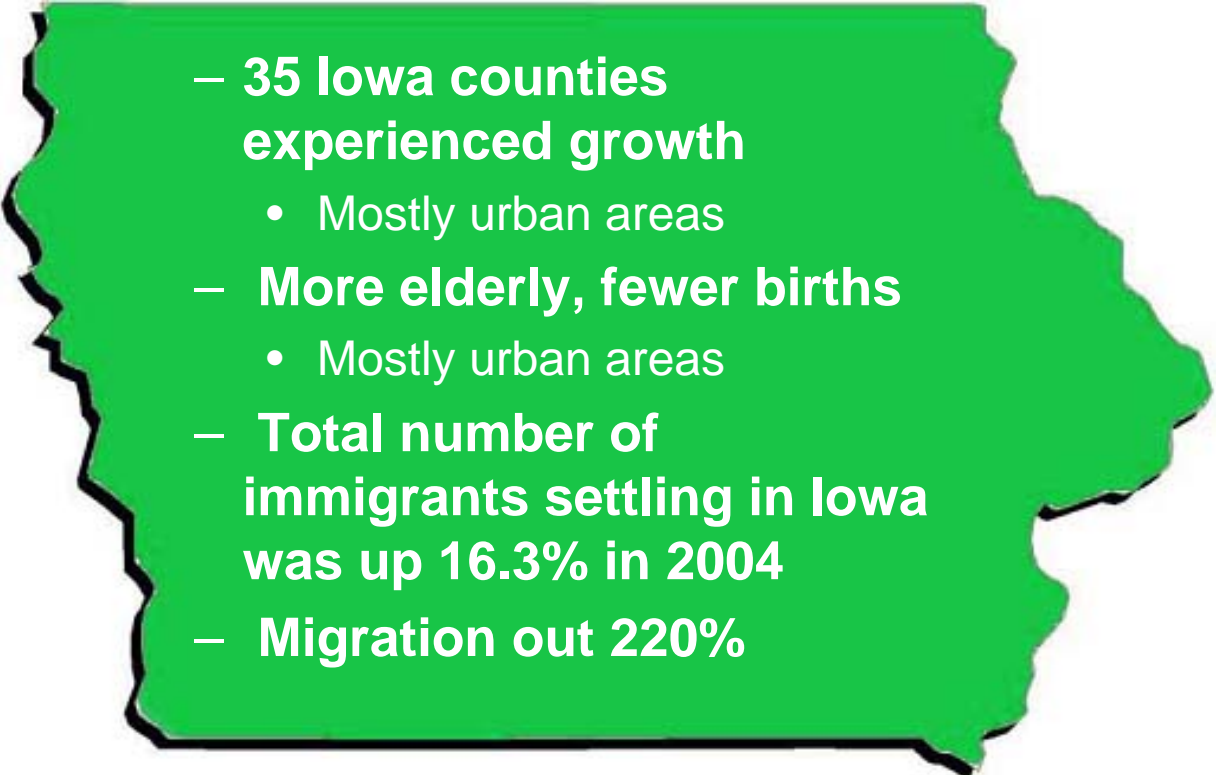
Teachers:

- Hard work
- Knowledge of the needs of diverse populations



Job Outlook

- In Iowa alone we will have more than 150,000 jobs by 2010 for which we will have no workers.

- 
- **35 Iowa counties experienced growth**
 - Mostly urban areas
 - **More elderly, fewer births**
 - Mostly urban areas
 - **Total number of immigrants settling in Iowa was up 16.3% in 2004**
 - **Migration out 220%**

What is Needed



Students & Parents:

- Understand where the jobs will be
- Pursue post-secondary education

Workplace Skills: Then and Now

	1950s	2005
4-year Degree	20%	20%
Unskilled	70%	10%
Technical Training	10%	70%

What is Needed

Ready
for work

Specific
vocational
knowledge
and skills

21st
Century
skills &
content

Subject
matter
knowledge

Ready for
college

Communication
Media literacy
Creativity
Problem solving
Financial literacy
Civic literacy

Cultural, Physical, & Behavioral Health Knowledge and Skills

Quality Teachers

“Most **effective teachers** are producing not just a little more growth, but as many as **six times the learning gains** produced by least effective teachers.”





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